



12,000 BTU Portable Air Conditioner
Evaporative Technology

Operating Instructions



Intertek
3092402

Model No. PE8-12R-32
Reference No. KY5-120

Thank you for choosing a Soleus Air Portable Air Conditioner. This owner's manual will provide you with valuable information necessary for the proper care and maintenance of your new product. Please take a few moments to thoroughly read the instructions and familiarize yourself with all the operational aspects of your new Soleus Air Portable Air Conditioner.

For your own records, please attach a copy of your sales receipt to this manual. Also, write the store name/location, date purchased, and serial number below:

Store Name: _____

Location: _____

Date Purchased: _____

Serial Number (located on back of unit): _____

IMPORTANT INSTRUCTIONS

Before installing and using your portable air conditioner, please read this owner's manual carefully. Store this manual in a safe place for future reference.

- 1) Always place the unit on a level surface.
- 2) Never use or store gasoline or other flammable vapor or liquid near this unit unless instructed by this manual.
- 3) Maintain at least 10 inches (25 cm) clearance space around this unit. Do not block or cover air inlet or outlet grilles.
- 4) The unit must be connected to a correctly grounded power supply.
- 5) Do not start or stop the unit by inserting or pulling out the power plug.
- 6) Do not use an adapter plug or extension cord.
- 7) Do not use the unit in the immediate surroundings of a bath, a shower or a swimming pool.
- 8) Do not insert anything into the air outlet. Do not obstruct air inlet or outlet grills unless instructed by this manual.
- 9) Do not let children play near this unit.
- 10) Always inspect the cord for signs of damage before use. If the power cord is damaged, it must be replaced by the manufacturer or a qualified service technician.
- 11) When cleaning the unit, always turn the unit off and unplug the power cord.
- 12) When the unit is not in use, always remove the venting kit from window.
- 13) Do not mix old and new batteries. Do not mix alkaline, standard (carbon - zinc), or rechargeable (nickel - cadmium) batteries.

PACKAGE CONTENTS

Portable Air Conditioner
Exhaust Hose (1)
Hose Adapter (1)
Window Kit Adapter (1)
Remote Control
AAA Batteries (2)
Window Kit - 3 Sliding Panels (1 single hose panel, 2 extension panels)
Owner's Manual

SPECIFICATIONS

- The cooling capacity is measured at an ambient temperature of DB 86 °F, WB 78 °F.
- The operational ambient temperature is between 61°F ~ 109°F.
- Noise level is measured at a distance of 3.28 ft away from the front of the unit, when the unit is in cooling mode.
- Power consumption is measured when the fan runs at the highest speed setting.
- These specifications are for reference only. For actual data, please refer to the rating label on the back of the unit.
- If the ambient temperature is higher than the max operating temperature or lower than the minimum operating temperature, the air conditioner may not work properly.

MODEL / REFERENCE PWT ÖÖÜ	PE8-12R-32 / KY5-120
COOLING CAPACITY	12,000 Btu/Hr
COOLING POWER CONSUMPTION	1060 Watts
DEHUMIDIFIER CAPACITY	48 Pints/Day
AIR FLOW VOLUME	225 CFM
POWER SOURCE	115 V / 60 Hz
RATED CURRENT	9.3 Amps
SOUND PRESSURE LEVEL	46 dB(A)
NET WEIGHT	56 Lbs
PRODUCT DIMENSIONS (W x D x H)	11.75"W x 18.25"D x 24.625"H
REFRIGERANT	R-410A

LCDI POWER CORD AND PLUG

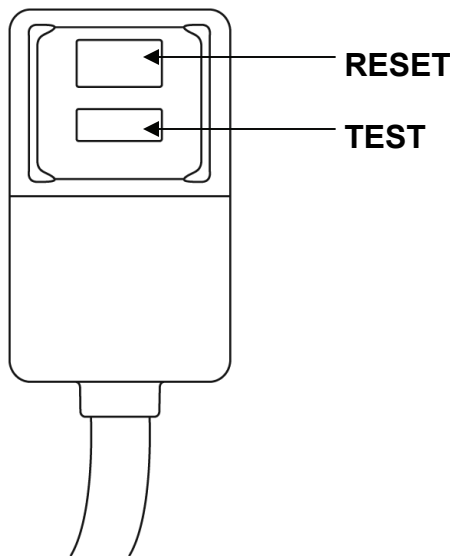
This air conditioner is equipped with an LCDI (Leakage Current Detection and Interruption) power cord and plug as required by US National Electric Code 440.65. This cord consists of a length of shielded flexible cord with no termination on the load side and a LCDI attachment plug on the line side.

The LCDI power cord and plug will remove the supply source via electrical disconnect (circuit trip) if the nominal current leakage between the cord shield and either load conductor exceeds a predetermined value. The cord will remain de-energized until the device has been manually reset. This is intended to reduce the risk of a fire in the power cord or combustible materials nearby. The cord shields are not grounded and they must be considered a shock hazards if exposed. The cord shield must not be connected to ground or to any exposed metal.

The test and reset buttons on the LCDI Plug are used to check if the plug is functioning properly. To test:

1. Plug power cord into wall outlet
2. Press TEST Button, circuit should trip, cutting power to the air conditioner
3. Press RESET button for use

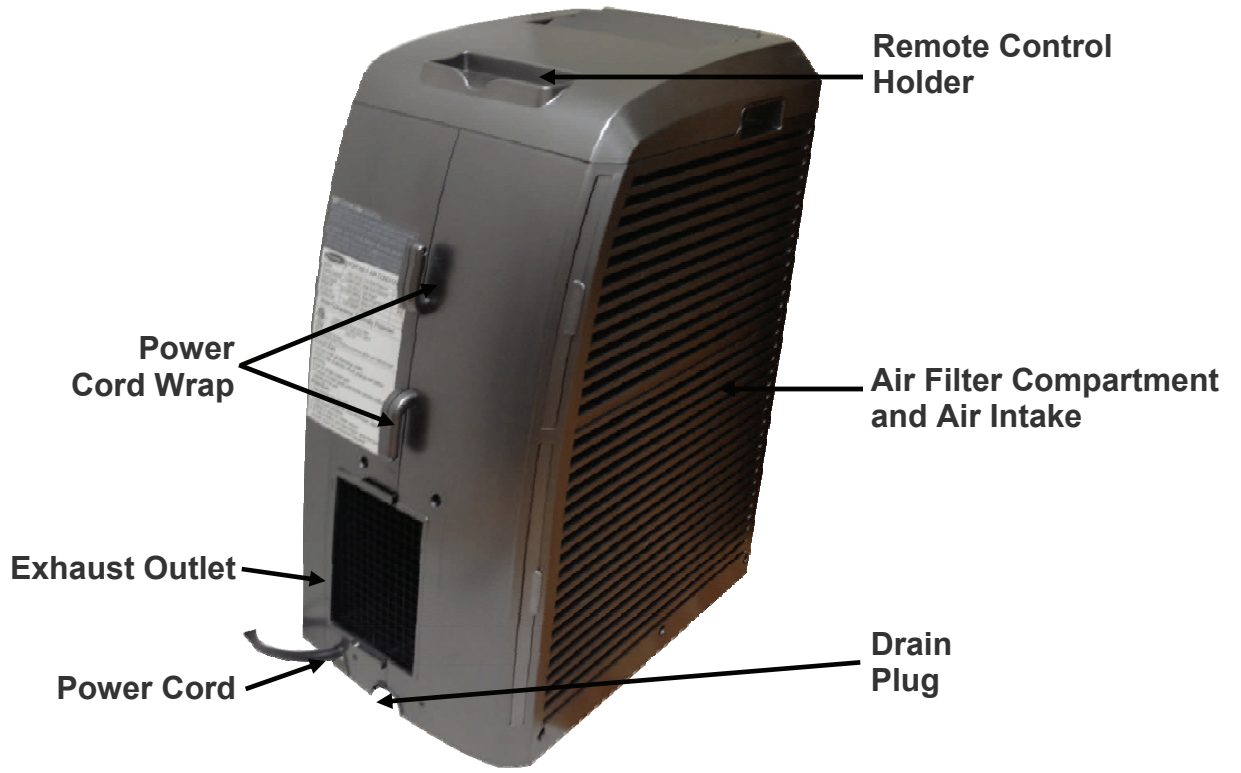
If test button is pressed and unit can still be turned on, current leakage has been detected. Do not use the air conditioner or attempt to reset the LCDI Plug. Contact Soleus Air Customer Service for troubleshooting recommendations.



WARNING:

1. DO NOT press the TEST button while the air conditioner is operating.
2. The TEST and RESET buttons should not be used as “ON” and “OFF” switches.
3. The cord and plug are not intended to offer protection to externally connected loads or supply circuits.
4. The cord and plug are intended for indoor use only.

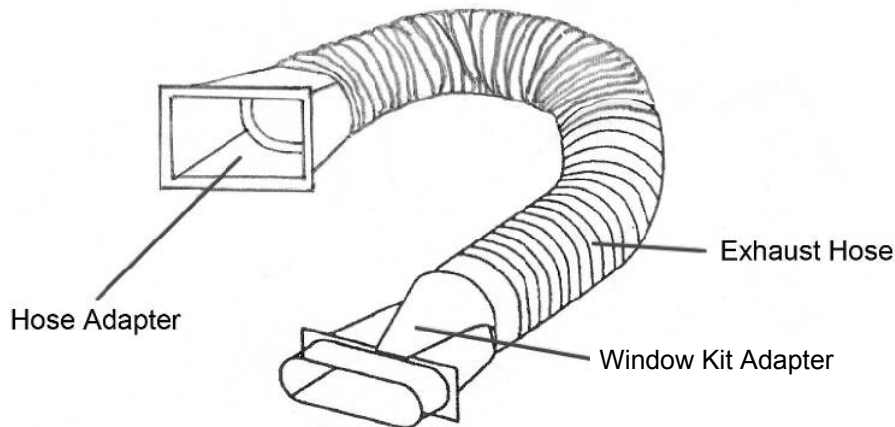
PRODUCT DIAGRAM



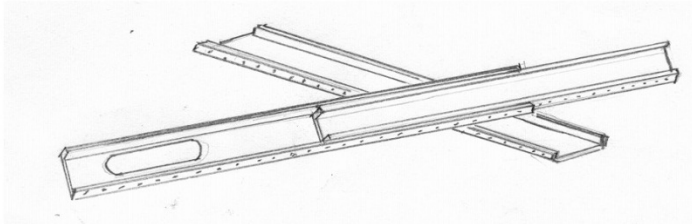
PARTS & ASSEMBLY

PARTS

EXHAUST HOSE



WINDOW KIT



ASSEMBLY & INSTALLATION

INSTALLATION

When the unit is operating as an air conditioner, or dehumidifier, the unit draws in fresh outdoor air and exhausts hot air out of the room to complete the air exchange.

NOTE: The supplied window kit can be installed in sliding windows and sliding glass doors from 14 inch up to 55.5 inch long.

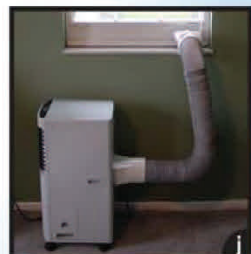
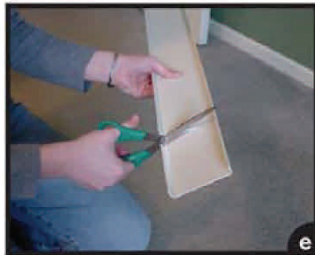
MOUNTING THE EXHAUST HOSE

- Choose a suitable location, near a grounded electrical outlet and suitable window or door. Remove packaging and locate components.
- Extend both ends of the exhaust hose approximately 6 inches.
- Screw the window kit adapter onto one end of the exhaust hose counter-clockwise. Screw the hose adapter onto the other end of the exhaust hose counter-clockwise.
- Slide the hose adapter of the exhaust hose down arrow over the discharge opening on the back of the unit.
- Open the window or door and adjust the length of window kit to fit the opening. Then make the kit fixed.
- Attach the window kit adapter of the exhaust hose to the window kit.



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Installation of the Venting Kit FOR SINGLE HOSE PORTABLE AIR CONDITIONERS



The venting kit must be installed in order for the unit to work correctly in the air conditioning mode. The venting kit should not be used while the unit is heating or fanning.

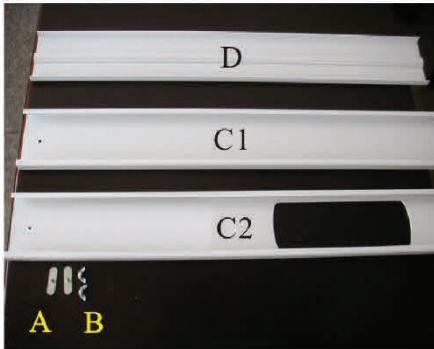
The window kit has been designed to fit into most vertical and horizontal window openings. The window kit can also be used in a sliding door.

1. Choose a suitable location, near a grounded electrical outlet and a suitable window or door. Remove packaging and locate components. (figure a)
2. Slide the exhaust connector over the discharge opening on the back of the unit. (figure b)
3. Connect the exhaust hose to the exhaust connector, aligning the fitted groove. (figure c)
4. Open the window or door and adjust the length of the window kit to fit the opening. (figure d) If necessary, mark the kit and cut one end down to properly fit the opening. (figures e & f)
5. Attach the window kit adapter to the window kit. (figure g)
6. Place the window kit back into the window and attach the exhaust hose to the window kit adapter. (figures h & i) Close the window tightly. (figure j) Your Portable Air Conditioner is now ready to cool!

NOTE: When using the venting system, keep the exhaust hose as straight as possible. The exhaust hose can be shortened, but it is not recommended to increase the length of the exhaust hose. Do not use an extension cord with your portable air conditioner.

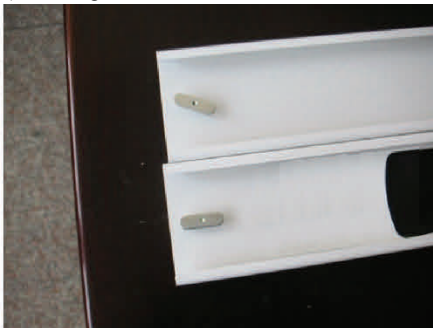
NOTE: The Portable Air Conditioner above may differ from the unit described in this manual. The above directions and images show **general** directions for Soleus Air hose portable air conditioners.

WINDOW KIT ASSEMBLY



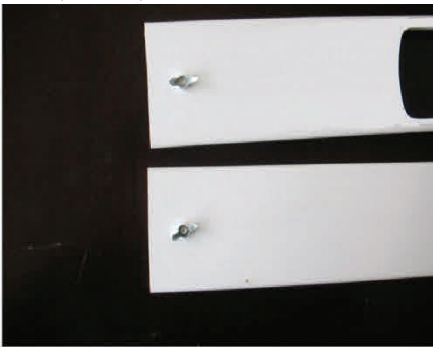
1. Parts:

- A) 2 Track Screws
- B) 2 Wing Nuts
- C1 & C2) 2 Hose Panels, one Exhaust Hose Openings
- D) 1 Sliding Track Panel

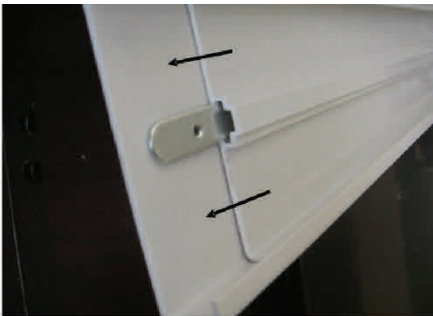


2. Assembly:

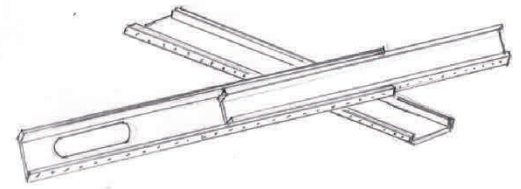
First, take the Track Screws (A) and screw one into each of the small holes found on the Hose Panels (C1 & C2).



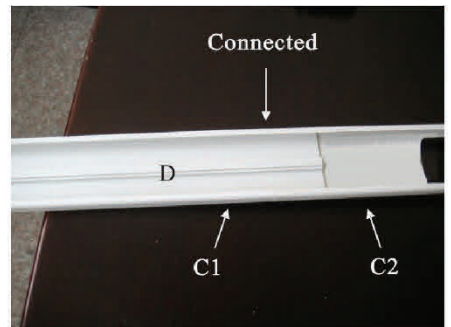
3. Next, take the Wing Nuts (B) and tighten them around each of the Track Screws (A). Do not tighten the Wing Nuts (B) all the way; make sure they are somewhat loose.



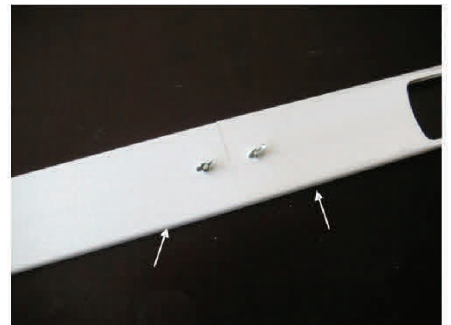
4. Now, place the Sliding Track Panel (D) over the Track Screw (A) on Hose Panel (C1).



5. Next, take the other Hose Panel (C2) and connect it to Hose Panel (C1) by placing the Sliding Track Panel (D) over the Track Screw (A) on Hose Panel (C2).



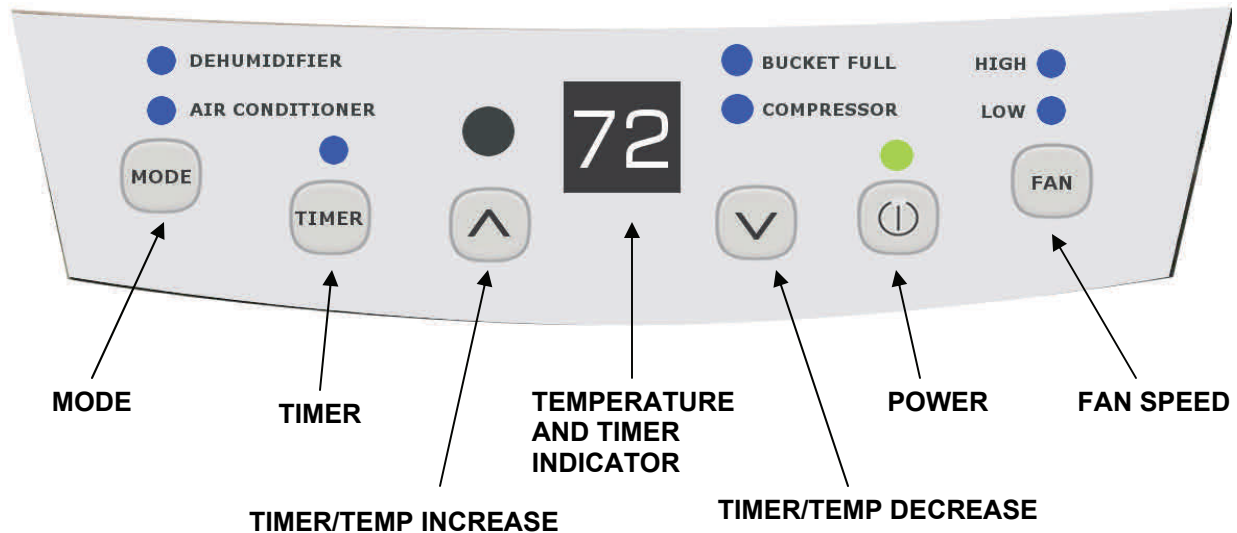
6. The Hose Panels (C1 & C2) should now be connected using the Sliding Track Panel (D).



7. To complete the assembly, tighten the wing Nuts (B) installed earlier. The finished Window Kit should resemble the image seen below.

CONTROL PANEL, DISPLAY, & OPERATING INSTRUCTIONS

CONTROL PANEL



OPERATING INSTRUCTIONS

- 1) **Power On and Off** - Press the **POWER** button once to manually turn the unit on. Press the **POWER** button once more to turn the unit off.
- 2) **Mode Selection** - Press the **MODE** Button repeatedly to cycle between the different modes: Air Conditioner and Dehumidifier.
- 3) **Fan Speed Control** - Press the **FAN** Button to cycle through the different fan speeds: **High and low**.
- 4) **Temperature** - Select the desired temperature by pressing either **▼** or **▲** key when using the unit in cooling mode. The temperature indicator flashes to display the desired temperature setting. After the temperature is set, the unit will display this temperature setting until it is changed by the user. The temperature indicator display shows temperature in Celsius or Fahrenheit. Press the **▼** and **▲** simultaneously to change between Celsius and Fahrenheit.
- 5) **Auto-on Timer**- To program the Auto-on timer, press the **TIMER** button when the unit is powered off. Once the **TIMER** button is pressed the hours will blink on the display. Press the **▼** or **▲** buttons to change the number to the desired hours (1-24 hours) for the unit to automatically turn on. The timer is set when the **TIMER** stops flashing.
- 6) **Auto-off Timer**- To program the Auto-off timer, press the **TIMER** button when the unit is powered on. Once the **TIMER** button is pressed the hours will blink on the display. Press the **▼** or **▲** buttons to change the number to the desired hours (1-24 hours) for the unit to automatically turn off. The timer is set when the **TIMER** stops flashing.

NOTE: Heat mode is not available on this model.

OPERATING THE UNIT USING THE CONTROL PANEL

Air Conditioner Mode

- 1) Install the exhaust hose and window kit properly (see pages 7 & 8).
- 2) Plug the Power Cord into an electrical outlet.
- 3) Turn on the unit by pressing the **POWER** button on the control panel.
- 4) Press the Mode button until the led of AIR CONDITIONER light up on the control panel display.
- 5) Press the ▲ or ▼ buttons until the desired room temperature appears on the control panel display. The temperature ranges from 61° F - 88° F (16° C - 31° C).
- 6) Select the desired fan speed by pressing the **FAN** button.

NOTE: During hot days, the unit will cool the room most efficiently by setting the temperature at the lowest setting and the fan speed on high. Reducing the length of the exhaust duct, insulating the exhaust hose and window kit, and keeping direct sunlight to a minimum will also improve the cooling efficiency.

NOTE: When the unit is running on cooling mode, the exhaust hose is required and must be vented outside using the supplied window kit.

Dehumidifier Mode

- 1) Install the exhaust hose and window kit properly (see pages 7 & 8).
- 2) Plug the Power Cord into an electrical outlet.
- 3) Turn on the unit by pressing the **POWER** Button on the control panel.
- 4) Press the **MODE** button until the led of DEHUMIDIFIER light up on the control panel display.
- 5) change the direction of the air flow manually adjust the horizontal louvers up or down.

NOTE: The unit operates at low fan speed during dehumidifier mode. The unit cools room slightly during while dehumidifying. Keep the windows and doors closed to aid the effectiveness of the unit as it removes moisture from the room.

NOTE: When the unit is running on dehumidifier mode, the exhaust hose is required and must be vented outside using the supplied window kit. The unit will not perform in dehumidifier mode when the room temperature is lower than 61° F .

Compressor Indicator

The **COMPRESSOR LED** will light up on the control panel display when the compressor turns on. The LED of **COMPRESSOR** will turn off when the compressor shuts off.

CONDENSATE EVAPORATION

Emergency Condensate Holding Tank

When the room temperature is low and the indoor humidity is high, the air conditioner may not be able to evaporate some of the moisture fast enough. When this happens, the water will accumulate in an emergency condensate tank inside the unit. Once the emergency condensate tank is full, the unit will automatically shut off and the led of BUCKET FULL will light up on the control panel display. To empty the condensate tank, pull the drain plug at the bottom back of the unit. You will need a small pan, approximately 1" high to catch the water coming out of the condensate tank. Connect the supplied drainage hose to the back of the unit to aid in drainage into the pan. Once the condensate tank is drained, the unit will begin working within a few minutes. The emergency condensate tank is approximately 1.5 Liters of water. Another option is to purchase a small hose from a hardware store that can fit around the 5/8" drain plug on the back of the unit and drain the unit into a gravity drain or larger pan for continuous drainage. It is not advised to use continuous drainage when the room temperature is higher than 90° F .

If you do not need the emergency tank emptied immediately simply leave the unit on. The fan in your air conditioner will continue to run to help evaporate the moisture as fast as possible. This will usually take around 60 minutes depending on how much water is in the tank.

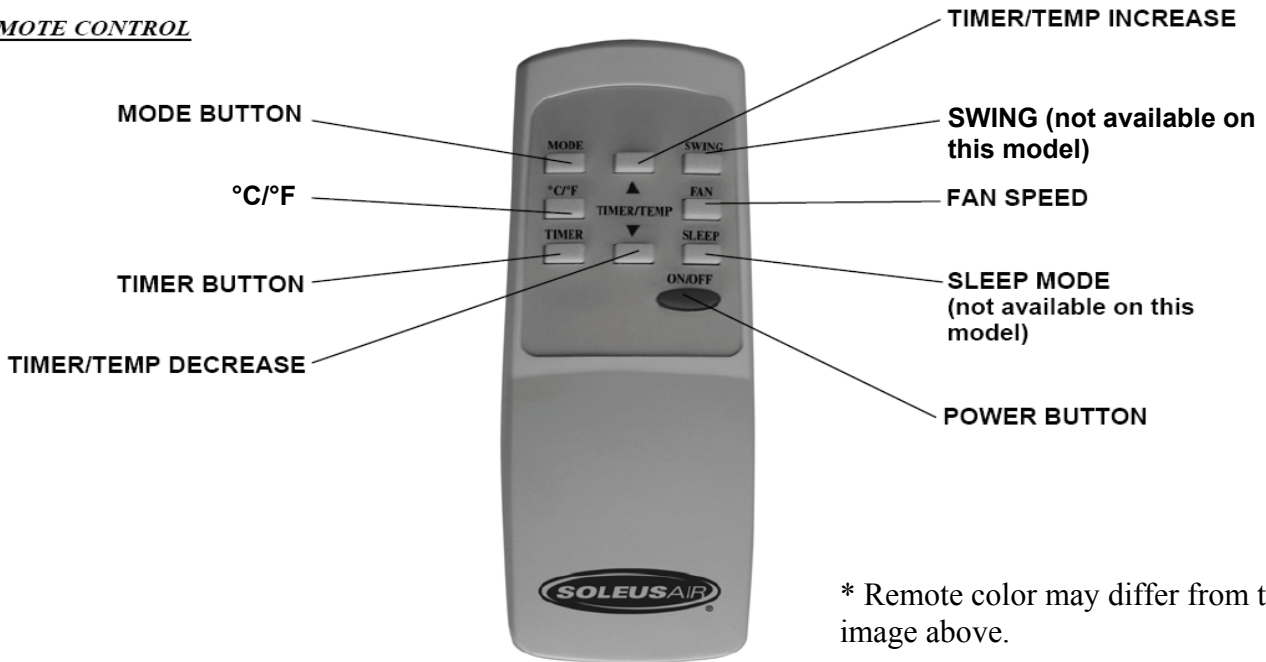
To resume operation quickly, empty the water container according to the following steps:

1. Turn the unit off. **Do not move the unit when the water container is full.**
2. Place the drain pan accessory under the drainage port at the back of the unit.
3. Remove the rubber plug from the drain hole. The condensate water will drain out automatically.
4. When the drain pan is full, install the rubber plug back onto the drainage hole to stop the water flow.
5. Empty the drain pan.
6. Repeat steps 2-5 until all the water is emptied.

NOTE: Once the water container has been emptied, install the rubber plug back onto the drain hole. It is not advised to use continuous drainage when the room temperature is higher than 90° F .

OPERATING THE UNIT USING THE REMOTE CONTROL

REMOTE CONTROL



REMOTE CONTROL OPERATING INSTRUCTIONS

- 1) **Power On and Off** - Press the **ON/OFF** button on the remote to turn the unit on or off.
- 2) **Mode Selection** - Press the **MODE** Button repeatedly to cycle between the different modes: Air Conditioner and Dehumidifier.
- 3) **Fan Speed** - Press the **FAN** Button to cycle through the different fan speeds: **High and low**.
- 4) **Temperature Setting** - Select the desired temperature by pressing either **▼** or **▲** key when using the unit in cooling mode. The temperature indicator on the control panel flashes to display the desired temperature setting. After the temperature is set, the unit will display this temperature setting until it is changed by the user. The temperature indicator display on the control panel shows temperature in Celsius or Fahrenheit. Press the **°C/°F** button to change the temperature select between Celsius and Fahrenheit.
- 5) **Auto-on Timer**- To program the Auto-on timer, press the **TIMER** button when the unit is powered off. Once the **TIMER** button is pressed the hours will blink on the control panel display. Press the **▼** or **▲** buttons to change the number to the desired hours (1-24 hours) for the unit to automatically turn on.
- 6) **Auto-off Timer**- To program the Auto-off timer, press the **TIMER** button when the unit is powered on. Once the **TIMER** button is pressed the hours will blink on the control panel display. Press the **▼** or **▲** buttons to change the number to the desired hours (1-24 hours) for the unit to automatically turn off.
- 7) **Swing** - The button is not available on this model.
- 8) **Sleep Mode** - The button is not available on this model.

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MAINTENANCE

Note: Make sure power is off and the power cord is not plugged into an electrical outlet prior to performing any maintenance on the unit.

Clean or replace filter - If the air filter is blocked with a dust, the airflow volume may reduce. It is recommended to clean the filter once every two weeks or as needed.

- 1) Remove the filter from the filter compartment on the left of the unit.
- 2) Wash the air filter by immersing it gently into warm water with a neutral detergent. Rinse the filter and dry it thoroughly out of sunlight.
- 3) Slide the filter back into the filter compartment after it is thoroughly dried.
- 4) If the filter is torn or unusable, order a new filter by calling the customer service number on the warranty page of this manual.

Clean the unit Housing

- 1) Keep the unit from being exposed directly to the sun to prevent color fading.
- 2) Clean the surface with a damp cloth and dry it with a soft towel.

Storing the Unit for an Extended Period of Time or Transporting the unit

- 1) Empty any excess water by unplugging the water drainage stop in the back of the unit (located at the bottom).
- 2) Unplug the unit.
- 3) The unit should be stored in a cool dry place.

DISCLAIMER

ALL INFORMATION AND THE TECHNICAL SPECIFICATIONS PRESENTED IN THIS USER'S MANUAL ARE THE PRESENTATION OF THE MANUFACTURER. SOLEUS INTERNATIONAL HAS NOT CONDUCTED INDEPENDENT TEST TO THE INFORMATION AND THE SPECIFICATIONS PRESENTED HEREWITHIN.

WARRANTY

One Year Limited Warranty

Soleus International Inc. warrants the accompanying Soleus Air Portable air conditioner to be free of defects in material and workmanship for the applications specified in its operation instruction for a period of ONE (1) year from the date of original retail purchase in the United States.

If the unit exhibits a defect in normal use, Soleus International Inc. will, at its option, either repair or replace it, free of charge within a reasonable time after the unit is returned during the warranty period.

As a condition to any warranty service obligation, the consumer must present this Warranty Certificate along with a copy of the original purchase invoice.

THIS WARRANTY DOES NOT COVER:

- Damage, accidental or otherwise, to the unit while in the possession of a consumer not caused by a defect in material or workmanship.
- Damage caused by consumer misuse, tampering, or failure to follow the care and special handling provisions in the instructions.
- Damage to the finish of the case, or other appearance parts caused by wear.
- Damage caused by repairs or alterations of the unit by anyone other than those authorized by Soleus International Inc.
- Freight and Insurance cost for the warranty service.

ALL WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY ARE LIMITED TO ONE-YEAR DURATION OF THIS EXPRESS LIMITED WARRANTY. **SOLEUS INTERNATIONAL INC.** DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES AND IN NO EVENT SHALL SOLEUS INTERNATIONAL INC'S LIABILITY EXCEED THE RETAIL VALUE OF THE UNIT FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY WITH RESPECT TO THIS UNIT.

This warranty covers only new products purchased from our authorized dealers or retailers. It does not cover used, salvaged, or refurbished products.

As some states do not allow the limitation or exclusion of incidental or consequential damages, or do not allow limitation on implied warranties, the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For Technical Support & Warranty Service

Please Call (888) 876-5387

Or Write To:

Soleus International Inc.

20035 E. Walnut Dr. N.

City of Industry, CA 91789 USA

www.soleusair.com